EAST 09/654,376 DW- 9/29/04

					1/29/04
L Number	Hits		DB	Time stamp	· ·
1	√ 49	auto\$1correlat\$5 same ("3" OR three OR 3rd	USPAT;	2004/09/30	14:04
	<i>\</i>	OR third\$3) NEAR2 (frame\$1 OR	US-PGPUB;		
1		sub\$1frame\$1)	EPO; JPO;		
			DERWENT;		
			IBM_TDB	000.400400	14 50
2	✓ 128		USPAT;	2004/09/30	14:50
1		detect\$3 SAME gateway\$1	US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
		///ic1 ODbc2 ODdi-c1\ NEAD2	IBM_TDB	2004/09/30	14.51
3	/4/	(((voice\$1 OR speech\$2 OR audio\$1) NEAR2 detect\$3) OR VAD) AND (-\$3 ADJ2 db\$1)	USPAT; US-PGPUB;	2004/03/30	14.31
		detects) or vady and (-53 aboz db31)	EPO; JPO;		
			DERWENT;		
			IBM TDB		
4	√ 346	(((voice\$1 OR speech\$2 OR audio\$1) NEAR2	USPAT;	2004/09/30	15:16
1 *	y 510	detect\$3) OR VAD) AND ((-\$3 ADJ2 db\$1)	US-PGPUB;		
		SAME (voice\$1 OR speech\$2 OR audio\$1))	EPO; JPO;		
		•	DERWENT;		
	1/		IBM_TDB		
5	98	((voice\$1 OR speech\$2 OR audio\$1) NEAR2	USPAT;	2004/09/30	15:17
		detect\$3) OR VAD) SAME ((-\$3 ADJ2 db\$1)	US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
	/ /	· · · · ·	IBM_TDB	0004/00/00	10 00
-	V^2	tackin.in.	USPAT;	2004/09/29	10:35
			US-PGPUB; EPO; JPO;		
			DERWENT; IBM TDB		
_ ·	327461	pitch	USPAT;	2004/09/29	10:36
	32,401	preen	US-PGPUB;	0001,00,25	
			EPO; JPO;		
			DERWENT;		
		·	IBM TDB		
-	3752	pitch WITH (estimat\$5 OR predict\$6)	USPĀT;	2004/09/29	10:36
			US-PGPUB;		
		·	EPO; JPO;		
			DERWENT;	•	
	2124	(mitch NITH (cotimates OR prodictes)) AND	IBM_TDB USPAT;	2004/09/29	17.30
-	2124	<pre>(pitch WITH (estimat\$5 OR predict\$6)) AND (voice\$1 OR audio\$1 OR speech\$2)</pre>	US-PGPUB;	2004/03/23	17.39
		(Voicevi on audiovi on speechvz)	EPO; JPO;		
			DERWENT;		
			IBM TDB		
-	1763	(pitch WITH (estimat\$5 OR predict\$6)) SAME	USPAT;	2004/09/29	10:37
		(voice\$1 OR audio\$1 OR speech\$2)	US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
		1.105	IBM_TDB	2004 (22 (22	00.31
-	12285	auto\$1correlat\$5	USPAT;	2004/09/30	09:31
			US-PGPUB;		
			EPO; JPO; DERWENT;		
			IBM TDB		
_	1597	auto\$1correlat\$5 AND pitch	USPAT;	2004/09/29	11:04
	139/	autoricolletacto min pitch	US-PGPUB;		03
			EPO; JPO;		
			DERWENT;		
			IBM_TDB		
-	680	auto\$1correlat\$5 SAME pitch	USPĀT;	2004/09/29	10:38
			US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
	625	/puto61corrolatés CAME mitable AND /mitable	IBM_TDB USPAT;	2004/09/29	10.27
-	623	(auto\$1correlat\$5 SAME pitch) AND (voice\$1 OR audio\$1 OR speech\$2)	US-PGPUB;	2004/03/23	10:3/
		or addiodi or sheecids!	EPO; JPO;		
			DERWENT;		
			IBM TDB		
	l	<u> </u>			

			_	
-	V 495	(auto\$1correlat\$5 SAME pitch) SAME	USPAT;	2004/09/29 18:33
		(voice\$1 OR audio\$1 OR speech\$2)	US-PGPUB; EPO; JPO;	
			DERWENT;	
	16	(457427244 450004524 450004554	IBM_TDB USPAT	2004/09/29 10:52
_	✓ 6	("5742734" "5809453" "5809455" "5911128" "5930747" "6480823").PN.	USPAI	2004/09/29 10:32
-	3857207	power\$3 OR energ\$3	USPAT;	2004/09/29 11:05
			US-PGPUB; EPO; JPO;	:
Ì			DERWENT;	
	400	/	IBM_TDB USPAT;	2004/09/29 11:06
-	489	(power\$3 OR energ\$3) AND (auto\$1correlat\$5 SAME pitch)	US-PGPUB;	2004/09/29 11:06
		•	EPO; JPO;	
		·	DERWENT; IBM TDB	
_	187	(power\$3 OR energ\$3) SAME	USPĀT;	2004/09/29 13:43
		(auto\$1correlat\$5 SAME pitch)	US-PGPUB; EPO; JPO;	
		·	DERWENT;	•
	✓ 8	·	IBM_TDB	
-	8	("5265190" "5444816" "5664055" "5732389" "5751901" "5864650"	USPAT	2004/09/29 12:08
		"6141638" "6169970").PN.		,
-	316	(estimat\$6 OR predict\$5) NEAR2 (pitch\$1 OR	USPAT;	2004/09/29 14:31
		period\$6) SAME pitch SAME (energ\$3 OR power\$1)	US-PGPUB; EPO; JPO;	
	ر ا		DERWENT;	
	151	((estimat\$6 OR predict\$5) NEAR2 (pitch\$1	IBM_TDB USPAT;	2004/09/29 13:44
	V 131	OR period\$6) SAME pitch SAME (energ\$3 OR	US-PGPUB;	2001,03,23 13.11
		power\$1)) AND auto\$1correlat\$5	EPO; JPO;	
			DERWENT; IBM TDB	·
-	40		USPĀT;	2004/09/29 13:44
		OR period\$6) SAME pitch SAME (energ\$3 OR power\$1)) SAME auto\$1correlat\$5	US-PGPUB; EPO; JPO;	
		powery,, bill ddestroorierdets	DERWENT;	
	223	(astimatés OB prodictés) NEAD2 (pitchél OB	IBM_TDB USPAT;	2004/09/29 14:14
	223	(estimat%6 OR predict%5) NEAR2 (pitch%1 OR period%6) SAME auto%1correlat%5	US-PGPUB;	2004/05/25 14:14.
			EPO; JPO;	
	/	·	DERWENT; IBM TDB	
-	129	(estimat\$6 OR predict\$5) NEAR2 (pitch\$1 OR	USPĀT;	2004/09/29 14:04
	•	period\$6) WITH auto\$1correlat\$5	US-PGPUB; EPO; JPO;	.
			DERWENT;	
_	\ \sigma_{\lambda}	(estimat\$6 OR predict\$5) NEAR2 (pitch\$1 OR	IBM_TDB USPAT;	2004/09/29 14:15
	1	period\$6) SAME pitch SAME dbm\$1	US-PGPUB;	2001,05,25 14.15
			EPO; JPO;	
	/		DERWENT; IBM TDB	
-	√ 5	auto\$1correlat\$5 SAME pitch\$1 SAME dbm\$1	USPAT;	2004/09/29 14:15
			US-PGPUB; EPO; JPO;	
			DERWENT;	
_	283	(estimat\$6 OR predict\$5) NEAR2 (pitch\$1 OR	IBM_TDB USPAT;	2004/09/29 14:31
_	203	period\$6) SAME shift\$4	US-PGPUB;	2001,05,25 14.51
]		EPO; JPO;	
			DERWENT; IBM_TDB	
-	i/ 80	(estimat\$6 OR predict\$5) NEAR2 (pitch\$1 OR	USPĀT;	2004/09/29 14:32
		period\$6) SAME shift\$4 SAME pitch\$1	US-PGPUB; EPO; JPO;	
			DERWENT;	
_	/2	(("5491565") or ("5970441")).PN.	IBM_TDB USPAT	2004/09/29 15:16
			LOOLAI	1 2004/03/23 13.10]

-	1/2	WO-9728628-\$.did.	USPAT; US-PGPUB;	2004/09/29 15:16
			EPO; JPO; DERWENT; IBM TDB	
_	14912	pitch WITH track\$3	USPAT; US-PGPUB;	2004/09/29 16:58
			EPO; JPO; DERWENT;	
-	✓ 40	(pitch WITH track\$3) SAME auto\$1correlat\$5	IBM_TDB USPAT; US-PGPUB;	2004/09/29 16:58
			EPO; JPO; DERWENT;	
_	/ 8		IBM_TDB USPAT	2004/09/29 17:12
	1	"4015088" "4441200" "4443857" "4672669" "4856068").PN.		0004/00/00 17 10
_	586	5216747.URPN. 704/207.ccls.	USPAT;	2004/09/29 17:12 2004/09/29 17:24
		•	US-PGPUB; EPO; JPO; DERWENT;	
_	172	704/207.ccls. AND auto\$1correlat\$5	IBM_TDB USPAT;	2004/09/29 17:38
			US-PGPUB; EPO; JPO; DERWENT;	
-	4961	back\$1track\$3 OR (back\$3 ADJ1 track\$3)	IBM_TDB USPAT; US-PGPUB;	2004/09/29 17:38.
			EPO; JPO; DERWENT;	
-	206	(pitch WITH track\$3) AND (back\$1track\$3 OR (back\$3 ADJ1 track\$3))	IBM_TDB USPAT; US-PGPUB;	2004/09/29 17:38
			EPO; JPO; DERWENT; IBM TDB	
-	98	((pitch WITH track\$3) AND (back\$1track\$3 OR (back\$3 ADJ1 track\$3))) AND (voice\$1 OR	USPĀT; US-PGPUB;	2004/09/29 17:40
		audio\$1 OR speech\$2)	EPO; JPO; DERWENT; IBM TDB	
-	127	704/217.ccls.	USPĀT; US-PGPUB;	2004/09/29 17:41
			EPO; JPO; DERWENT;	
-	80	704/217.ccls. AND pitch	IBM_TDB USPAT; US-PGPUB;	2004/09/29 17:41
			EPO; JPO; DERWENT;	
-	9	4282406.URPN.	IBM_TDB USPAT	2004/09/29 18:03
-	504	((estimat\$6 OR predict\$6) NEAR3 period\$6) SAME pitch\$3	USPAT; US-PGPUB; EPO; JPO;	2004/09/29 18:38
			DERWENT; IBM TDB	
-	V 196	(((estimat\$6 OR predict\$6) NEAR3 period\$6) SAME pitch\$3) AND auto\$1correlat\$5	USPAT; US-PGPUB; EPO; JPO;	2004/09/29 18:37
			DERWENT; IBM_TDB	
-	194	((((estimat\$6 OR predict\$6) NEAR3 period\$6) SAME pitch\$3) AND	USPĀT; US-PGPUB;	2004/09/29 18:37
		auto\$1correlat\$5) AND (voice\$1 OR audio\$1 OR speech\$2)	EPO; JPO; DERWENT; IBM TDB	

•				
-	200	704/214.ccls.	USPAT;	2004/09/29 19:08
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	56	704/214.ccls. AND auto\$1correlat\$5	USPAT;	2004/09/29 19:08
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	/_		IBM_TDB	
-	3	(("5548680") or ("4074069") or	USPAT	2004/09/30 09:29
		("5127053")).PN.		
-	1015	auto\$1correlat\$5 AND periodicit\$3	USPAT;	2004/09/30 09:31
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	0004/00/20 00 20
-	331	auto\$1correlat\$5 SAME periodicit\$3	USPAT;	2004/09/30 09:32
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	1/170	. A1	IBM_TDB	2004/00/20 12:44
-	√ 178		USPAT;	2004/09/30 13:44
		(voice\$1 OR audio\$1 OR speech\$2)	US-PGPUB;	
			EPO; JPO;	1
			DERWENT;	
			IBM TDB	

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auto*correlat* <and> pitch*

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1 Multiple pitch estimation of poly-phonic audio signals in a frequency-lag domain using the bispectrum

Abeysekera, S.S.;

Circuits and Systems, 2004. ISCAS '04. Proceedings of the 2004 International Symposium on , Volume: 3 , 23-26 May 2004

Pages: III - 469-72 Vol. 3

[Abstract] [PDF Full-Text (336 KB)] IEEE CNF

2 Pitch synchronous wavelet based fetal ECG extraction

Elloumi, A.; Lachiri, Z.; Ellouze, N.;

Control, Communications and Signal Processing, 2004. First International Symposium on , 2004

Pages: 239 - 242

[Abstract] [PDF Full-Text (1511 KB)] IEEE CNF

3 Application of pitch tracking to South Indian classical music

Krishnaswamy, A.;

Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003 IEEE International Conference on , Volume: 5 , 6-10 April 2003 Pages:V - 557-60 vol.5

[Abstract] [PDF Full-Text (330 KB)] IEEE CNF

4 A new efficient pitch-tracking algorithm

Bo Li; Ying-Ying Li; Cheng-You Wang; Chao-Jing Tang; Er-Yang Zhang; Robotics, Intelligent Systems and Signal Processing, 2003. Proceedings. 2003 IEEE International Conference on , Volume: 2 , 8-13 Oct. 2003 Pages:1102 - 1107 vol.2

[Abstract] [PDF Full-Text (426 KB)] IEEE CNF

5 Determination of pitch of noisy speech using dominant harmonic frequency

Hasan, K.; Shahnaz, C.; Fatath, S.A.; Circuits and Systems, 2003. ISCAS '03. Proceedings of the 2003 International Membership Publications/Services Standards

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1 Multiple pitch estimation of poly-phonic audio signals in a frequency-lag domain using the bispectrum

Abeysekera, S.S.;

Circuits and Systems, 2004. ISCAS '04. Proceedings of the 2004 International Symposium on , Volume: 3 , 23-26 May 2004

Pages: III - 469-72 Vol. 3

[Abstract] [PDF Full-Text (336 KB)] **IEEE CNF**

2 A pitch detector based on the dyadic wavelet transform and the autocorrelation function

LI Jing; BAO Changchun;

Signal Processing, 2002 6th International Conference on , Volume: 1 , 26-30 Aug.

2002

Pages:414 - 417 vol.1

[Abstract] [PDF Full-Text (333 KB)]

3 A new band-splitting method for two-band speech model

Eun-Kyoung Kim; Woo-Jin Han; Yung-Hwan Oh;

Signal Processing Letters, IEEE, Volume: 8, Issue: 12, Dec. 2001

Pages:317 - 320

[Abstract] [PDF Full-Text (75 KB)] **IEEE JNL**

4 A multiband excited waveform-interpolated 2.35-kbps speech codec for bandlimited channels

Brooks, F.C.A.; Hanzo, L.;

Vehicular Technology, IEEE Transactions on , Volume: 49 , Issue: 3 , May 2000

Pages:766 - 777

[Abstract] [PDF Full-Text (256 KB)] **IEEE JNL**

5 Towards automatic pitch detection in snoring signals

Sola-Soler, J.; Jane, R.; Fiz, J.A.; Morera, J.;

Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd Annual International Conference of the IEEE , Volume: 4 , 23-28 July 2000

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1 An InGaP/GaAs collector-up tunnelling-collector HBT and subtransistor via-hole structure for small and highly efficient power amplifiers

Tanaka, K.; Mochizuki, K.; Takubo, C.; Matsumoto, H.; Tanoue, T.; Ohbu, I.; Microwave Symposium Digest, 2003 IEEE MTT-S International, Volume: 3, 8-13 June 2003

Pages:2197 - 2200 vol.3

[Abstract] [PDF Full-Text (321 KB)] IEEE CNF

2 Eight-channel p-i-n/HBT monolithic receiver array at 2.5 Gb/s per channel for WDM applications

Chandrasekhar, S.; Lunardi, L.M.; Hamm, R.A.; Qua, G.J.; Photonics Technology Letters, IEEE, Volume: 6, Issue: 10, Oct. 1994

Pages:1216 - 1218

[Abstract] [PDF Full-Text (232 KB)] IEEE JNL

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(pitch* <sentence> track*) and auto*correlat*

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1 Comparison of different time-frequency distributions in pitch detection Yu, R.; Tan, E.C.;

Information, Communications and Signal Processing, 2003 and the Fourth Pacific Rim Conference on Multimedia. Proceedings of the 2003 Joint Conference of the Fourth International Conference on , Volume: 2 , 15-18 Dec. 2003 Pages:817 - 821 vol.2

[Abstract] [PDF Full-Text (372 KB)]

2 A new efficient pitch-tracking algorithm

Bo Li; Ying-Ying Li; Cheng-You Wang; Chao-Jing Tang; Er-Yang Zhang; Robotics, Intelligent Systems and Signal Processing, 2003. Proceedings. 2003 IEEE International Conference on , Volume: 2 , 8-13 Oct. 2003 Pages:1102 - 1107 vol.2

[Abstract] [PDF Full-Text (426 KB)] **IEEE CNF**

3 Application of pitch tracking to South Indian classical music

Krishnaswamy, A.;

Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003 IEEE International Conference on , Volume: 5 , 6-10 April 2003 Pages:V - 557-60 vol.5

[Abstract] [PDF Full-Text (330 KB)] IEEE CNF

4 Robust pitch tracking in the car environment

Quast, H.; Schreiner, O.; Schroeder, M.R.;

Acoustics, Speech, and Signal Processing, 2002. Proceedings. (ICASSP '02). IEEE International Conference on , Volume: 1 , 13-17 May 2002

Pages:I-353 - I-356 vol.1

[Abstract] [PDF Full-Text (349 KB)] IEEE CNF

5 A new band-splitting method for two-band speech model

Eun-Kyoung Kim; Woo-Jin Han; Yung-Hwan Oh;

Signal Processing Letters, IEEE, Volume: 8, Issue: 12, Dec. 2001

Pages: 317 - 320